

In the Claims:

1. (Previously Presented) A device for an automotive vehicle comprising:
a seatbelt having a buckled state and an unbuckled state;
a self-powered wireless switch assembly coupled to the seatbelt, the self-powered wireless switch assembly comprising an energy harvesting element generating electrical power, a capacitor storing power received from the energy harvesting element, and a wireless transmitter transmitting a wireless status signal corresponding to the buckled state and the unbuckled state;
a receiver receiving a wireless signal; and
an electrical request signal generated by the receiver requesting the wireless status signal.
2. (Original) The device of claim 1 wherein the energy harvesting element comprises a piezoelectric material.
3. (Original) The device of claim 1 wherein the energy harvesting element comprises an antenna capturing stray radiant radio frequency energy.
4. (Original) The device of claim 1 wherein the signal comprises a seatbelt location identifier.
5. (Original) The device of claim 1 wherein the self-powered wireless switch assembly is coupled to a buckle side of said seatbelt.
6. (Original) The device of claim 1 wherein the self-powered wireless switch assembly is coupled to a tongue side of said seatbelt buckle.
7. (Previously Withdrawn)

8. (Previously Presented) An automotive vehicle comprising:
a seat;
a seatbelt mounted adjacent to said seat;
a device comprising said seatbelt having a buckled state and an unbuckled state,
a self-powered wireless switch assembly coupled to the seatbelt, the self-powered
wireless switch assembly comprising an energy harvesting element generating electrical
power, a capacitor storing power received from the energy harvesting element, and a
wireless transmitter transmitting a wireless status signal corresponding to the buckled
state and the unbuckled state;
a receiver receiving the wireless status signal and generating an electrical status
signal corresponding to the wireless status signal;
an indicator coupled to the receiver to display the electrical status signal; and
a request signal generated by the receiver wherein the wireless status signal is
transmitted in response to receiving the request signal.
9. (Original) The automotive vehicle of claim 8 wherein the energy
harvesting element includes a piezoelectric device.
10. (Original) The automotive vehicle of claim 8 wherein the seat is
removable.
11. (Original) The automotive vehicle of claim 8 wherein the seat is non-
removable.
12. (Original) The automotive vehicle of claim 8 wherein the seat is
foldable.

13. (Original) The automotive vehicle of claim 8 further comprising a plurality of receivers.

14. (Original) The automotive vehicle of claim 8 wherein the receiver communicates wirelessly with the indicator.

15. (Original) The automotive vehicle of claim 8 further comprising a control module for conditioning the electrical status signal received from the receiver and the conditioned electrical status signal to the indicator.

16. (Currently Amended) A method of using a device in an automotive vehicle comprising:

coupling a seatbelt comprising a tongue side to a buckle side;

generating power from an energy harvesting element in response to coupling;

storing the power in a capacitor;

generating a seatbelt status and a seatbelt identification in response to the coupling;

powering a transmitter with the stored power;

transmitting a wireless signal comprising the seatbelt status and the seatbelt identification;

receiving the wireless signal in a receiver;

generating an alert message indicative of the seatbelt status and the seatbelt identification; and

receiving a request signal, wherein transmitting the wireless signal in response to receiving the request signal.

17. (Withdrawn) The method of claim 16 wherein transmitting the wireless signal comprises a seatbelt identification and a seatbelt status.

18. (Original) The method of claim 16 wherein the energy harvesting element is a piezoelectric material.

19. (Currently Amended) The method of claim ~~[[17]]~~ 16 wherein transmitting the wireless signal comprises a second seatbelt identification and a second seatbelt status.

20. (Original) The method of claim ~~[[17]]~~ 16 wherein transmitting the wireless signal comprises a plurality of seatbelt identifications and a plurality of seatbelt statuses.

21. (Previously Presented) A device for an automotive vehicle comprising:
a seatbelt having a buckled state and an unbuckled state;

a self-powered wireless switch assembly coupled to the seatbelt, the self-powered wireless switch assembly comprising an energy harvesting element generating electrical power, a capacitor storing power received from the energy harvesting element, and a transmitter transmitting a electrical status signal corresponding to the buckled state and the unbuckled state;

an indicator coupled to the self-powered wireless switch assembly, the indicator receiving the electrical status signal and generating an indication corresponding to the electrical status signal; and

a request signal generated by the receiver wherein the wireless status signal is transmitted in response to receiving the request signal.

22. (Original) The device of claim 21 wherein the self-powered wireless switch assembly further comprises a wireless transmitter transmitting a wireless status signal corresponding to the buckled state and the unbuckled state.

23. (Withdrawn)

24. (Currently Amended) A device for an automotive vehicle comprising:
a seatbelt having a buckled state and an unbuckled state; and

a self-powered wireless switch assembly coupled to the seatbelt, the self-powered wireless switch assembly comprising an energy harvesting element generating electrical power, a receiver receiving a request signal and generates an electrical request signal corresponding to the request signal, and a wireless transmitter transmitting a wireless status signal corresponding to the buckled state and the unbuckled state in response to receiving the request signal and having a seatbelt identification and a seatbelt status.

25. (New) The device of claim 24 wherein the energy harvesting element comprises a piezoelectric material.

26. (Withdrawn) The device of claim 24 wherein wireless status signal comprises a seatbelt identification and a seatbelt status.